

MBINCP Peltier Cooled Incubators

45 • 70 L • RT-20 to 65 °C • Peltier Cooling • Forced Air • Quiet • Stackable

MBINCP Peltier cooled incubators heat and cool the chamber with a semiconductor (Peltier) module instead of a compressor. They run quietly, without refrigerant and without vibration, and hold the set point from 20 °C below room temperature up to 65 °C. Forced air keeps the temperature even, and two units of the same size can be stacked to save bench space. Two sizes: 45 L and 70 L.

45 • 70 L RT-20 TO 65 °C PELTIER COOLING NO REFRIGERANT QUIET, NO VIBRATION FORCED AIR
±0.5 °C STACKABLE

Document type: **Technical Specification Sheet**

Product family: **MBINCP45 / MBINCP70 Peltier cooled incubators**

Models / SKU: **MBINCP45 • PRO7361 • MBINCP70 • PRO7362**

Format: **A4 landscape • CORE-TECHSPEC 1.2**

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 **Choose the size**

 **COMPACT • 45 L**
MBINCP45 • PRO7361
RT-20 to 65 °C • 350 W

 **STANDARD • 70 L**
MBINCP70 • PRO7362
RT-20 to 65 °C • 500 W



Peltier cooled incubator • side view with access port



Front view • display and control panel • door

VOLUMES
45 • 70 L

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MBINCP • technical specification

Peltier cooled incubators, 45 and 70 L, RT–20 to 65 °C, forced air, quiet operation without refrigerant, stackable

45 • 70 L RT–20 TO 65 °C PELTIER FORCED AIR STACKABLE — Cooling without compressor and refrigerant

Product Overview

Application profile

Microbiology: incubation at 20–37 °C in a warm laboratory, where a heating-only incubator cannot hold the set point.

Sensitive samples: cell and tissue work, insects and seeds that do not tolerate vibration.

Small series: BOD and other tests near room temperature in a compact unit.

Quiet rooms: offices, teaching labs and rooms where a compressor would disturb.

Core technical summary

Parameter	Specification
Models	MBINCP45 • MBINCP70
Chamber volume	45 • 70 L
Temperature range	RT–20 °C to 65 °C
Stability / uniformity	±0.5 °C at 37 °C
Resolution	0.1 °C
Cooling	Peltier (semiconductor)
Power	350 W • 500 W
Supply	220 V, 50/60 Hz

Key features

Peltier cooling: semiconductor module heats and cools; no compressor, no refrigerant, no vibration.

Range: from 20 °C below room temperature up to 65 °C; ±0.5 °C stability and uniformity at 37 °C.

Air: forced circulation with a fan for an even temperature in the whole chamber.

Control: intelligent PID, Pt100 sensor, colour LCD, touch-key setting, 0.1 °C resolution.

Timer: 0–9999 min with wait function; fixed temperature, timed run, auto stop.

Safety: over-temperature sound and light alarm; power-failure memory, parameter lock.

Doors: inner glass door to check samples; door switch linked to the control.

Space: stacking feet — two units of the same size one on top of the other.

VOLUMES

45 • 70 L

TEMPERATURE

RT–20 to 65 °C

STABILITY

±0.5 °C

COOLING

Peltier

RT = room temperature. The lowest temperature depends on the room: at 25 °C ambient the chamber reaches about 5 °C. Values are typical, measured without load.

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Models Compared

Parameter	MBINCP45	MBINCP70
Order code (SKU)	PRO7361	PRO7362
Chamber volume	45 L	70 L
Chamber W × D × H	330 × 320 × 430 mm	415 × 350 × 500 mm
Exterior W × D × H	415 × 445 × 758 mm	500 × 475 × 828 mm
Power	350 W	500 W
Net weight	20 kg	35 kg

Technical Specifications · common to both models

Temperature and control	Value	Cooling and construction	Value
Temperature range	RT–20 °C to 65 °C	Cooling	Peltier (semiconductor) module, no refrigerant
Resolution	0.1 °C	Air circulation	forced, with fan
Stability	±0.5 °C	Chamber	mirror stainless steel
Uniformity	±0.5 °C at 37 °C	Housing	cold-rolled steel, electrostatic coating; polyurethane insulation
Controller	intelligent PID, Pt100 sensor	Doors	inner glass door, door switch
Display / setting	colour LCD, touch keys	Safety	over-temperature sound and light alarm; power-failure memory
Timer	0–9999 min, with wait function	Supply	220 V, 50/60 Hz

Peltier or compressor?

Peltier (MBINCP): quiet, no vibration, no refrigerant; best near room temperature, down to about 5 °C.

Compressor (MBINC): for 0 °C or –10 °C, larger volumes and a warm room — see the MBINC refrigerated incubators.

Installation and care

Place: bench or floor, free space at the back and sides for the heat sink.

Room: the coldest set point follows the room temperature; keep the room cool for low set points.

Stacking: only two units of the same size.

RT = room temperature. Dimensions W × D × H. Values are typical, measured without load.

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MBINCP Peltier cooled incubators • 45 • 70 L

SUPPLIER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the temperature, the room temperature and the number of samples. COLO.Science will confirm the model and the delivery time.

Ordering information

Item	SKU
MBINCP45 • Peltier cooled incubator 45 L • RT-20 to 65 °C	PRO7361
MBINCP70 • Peltier cooled incubator 70 L • RT-20 to 65 °C	PRO7362

Configuration checklist

Temperature: near or below room temperature down to about 5 °C → MBINCP; 0 °C or below → MBINC.

Size: 45 or 70 L — by the number of plates, flasks or racks.

Room: ambient temperature decides the lowest set point.

Space: two units of the same size can be stacked.

QUICK CONTACT

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Ask us:

Price and current discount, delivery time, temperature certificate and service — write to sales@colo.si or call us.

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